

REMARKS

Applicants thank the Examiner for the very thorough consideration given the present application. Claims 1, 4 and 6-12 are now present in this application. Claims 1 and 6-9 have been amended in order to more clearly recite the novel and inventive features of the present invention. No new matter has been added by way of the present amendment. Claims 1, 6-7 and 9 have been amended to correct a typographical error, as per the Examiner's suggestions. Claims 1 and 6-8 have been amended to incorporate subject matter from previously pending claim 2, and are supported by the present specification at page 4, paragraph [0013] and page 7, paragraph [0028]. Newly added claims 11 and 12 describe the composition of the triarylamine. Support for these claims can be found at page 7, paragraph [0028] and pages 9-10, paragraph [0036]. Accordingly, no new matter has been added.

In view of the following amendments and remarks, Applicants respectfully request that the Examiner withdraw all outstanding rejections and allow the currently pending claims.

General

Under MPEP 904.03, it is a prerequisite to a speedy and just determination of the issues involved in the examination of an application that a careful and comprehensive search be made in preparing the first action. In view of the great number of Office Actions that have been issued, Applicants believe that the Examiner's examination of the present application is piecemeal. See MPEP 707.07(g). Accordingly, Applicants respectfully request supervisory review of the present application as well as designation of the present application as "special" under MPEP 707.02.

Claim Objections

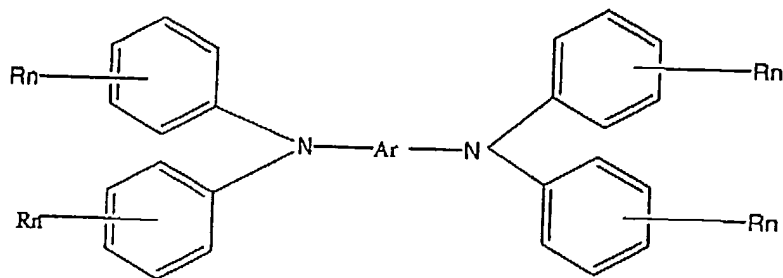
Claims 1, 6-7 and 9 were objected to because of the use of the word "live". Applicants have amended the claims as per the Examiner's suggestion.

Claim Rejections under 35 U.S.C. 103(a)

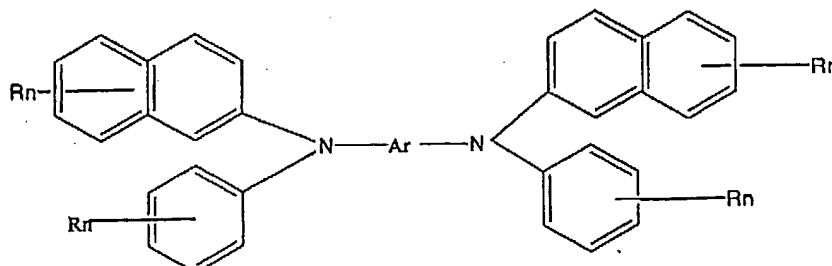
Claims 1-4 and 6-10 stand rejected under 35 U.S.C. § 103 as being unpatentable over Nakaya et al. (U.S. 5,792,557) (hereinafter Nakaya '557). This rejection is respectfully traversed.

The Examiner states that Nakaya shows the use of tetraaryldiamine derivatives that have a 99.99% product yield and undergo sublimation purification processes.

Although both Applicants and Nakaya '557 disclose the use of a triarylamine with a purity of at least 99%, the triarylamine disclosed by Applicants is materially different from that disclosed by the prior art of record. Nakaya '557 discloses a triarylamine having the following formula:

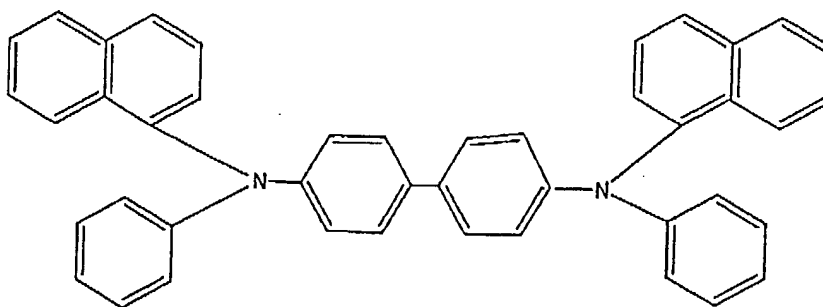


The triarylamine of the present invention is shown by the following formula:



As evidenced by the above formulas, the rings bonding to nitrogen atoms in Nakaya's triarylamine are all either single rings or phenyl. In contrast, the rings bonding to nitrogen atoms in Applicant's invention, as presently amended, are condensed rings, such as naphthyl, phenanthryl and anthranyl. Furthermore, the triarylamine of claim 4 is

N,N' -di(naphthalene-1-yl)- N,N' -diphenylbenzidine



which is not disclosed by Nakaya '557.

Because of the inclusion of condensed rings and the low level of impurities present, the present invention supplies an excellent organic EL material that is extremely durable and not previously disclosed by any prior art of record. Furthermore, it is noted that even if a compound having a condensed ring has the same molecular weight as a compound having a single ring, the

Tg of the condensed ring compound is still higher, thus improving the heat resistance and durability of the material.

It is noted that additional references cited by the Examiner have been included merely to show the state of the prior art and have not been utilized to reject the claims. For these reasons, no further comments concerning these references are considered necessary at this time.

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Prompt and favorable consideration of this Amendment is respectfully requested.

Conclusion

Pursuant to 37 C.F.R. §§ 1.17 and 1.136(a), Applicants respectfully petition for a one (1) month extension of time for filing a reply in connection with the present application, and the required fee of \$120.00 is attached hereto.

In the event there are any outstanding matters remaining in this application, the Examiner is invited to contact the undersigned at telephone number below to discuss these matters.

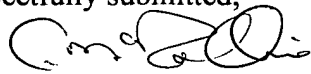
Application No. 10/060,203
Amendment dated May 24, 2006
Reply to Office Action of January 24, 2006

Docket No.: 1752-0154P

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Dated: May 24, 2006

Respectfully submitted,

By  #412.874
Gerald M. Murphy, Jr.
Registration No.: 28,977
BIRCH, STEWART, KOLASCH & BIRCH, LLP
8110 Gatehouse Road
Suite 100 East
P.O. Box 747
Falls Church, Virginia 22040-0747
(703) 205-8000
Attorney for Applicant